

WHAT IS CLAIMED IS:

1. A method of dynamically preparing a structured query language statement, said method comprising:

receiving a request that affects an item;

identifying a respective type of the item;

retrieving a set of attributes and a portion of a structured query language statement based on the type of the item; and

preparing the structured query language statement for the item based on the set of attributes and the portion in response to the request.

2. The method of claim 1, wherein retrieving the set of attributes and the portion comprises retrieving a set of parameters that indicate a data structure for the item.

3. The method of claim 1, wherein retrieving the set of attributes and the portion comprises retrieving a set of references for the structured query language statement.

4. The method of claim 1, wherein retrieving the set of attributes and the portion comprises retrieving at least a portion of an insert statement.

5. The method of claim 1, wherein retrieving the set of attributes and the portion comprises retrieving information that indicates access rights for the structured query language statement.

6. The method of claim 1, wherein retrieving the set of attributes and the portion comprises:

determining a timestamp for the set of attributes and the portion; and
selectively retrieving the set of attributes and the portion from a cache
based on the timestamp.

7. The method of claim 1, wherein preparing the structured query language statement comprises opening a first set of cursors for the structured query language statement.

8. The method of claim 7, further comprising opening a second set of cursors when all of the cursors in the first set have been opened.

9. An apparatus for dynamically preparing a structured query language statement, said apparatus comprising:

means for receiving a request that affects an item;

means for identifying a respective type of the item;

means for retrieving a set of attributes and a portion of a structured query language statement based on the type of the item; and

means for preparing the structured query language statement for the item based on the set of attributes and the portion in response to the request.

10. A computer readable medium encoded with program code, said medium comprising:

program code for receiving a request that affects an item;

program code for identifying a respective type of the item;

program code for retrieving a set of attributes and a portion of a structured query language statement based on the type of the item; and

program code for preparing the structured query language statement for the item based on the set of attributes and the portion in response to the request.

11. A system that dynamically prepares a structured query language statement, said device comprising:

a database that stores a plurality of items in a first table and stores information indicating attributes of each type of item in a second table; and

a processor configured by a set of program code to receive a request that affects an item stored in the first table of the database, identify a type of the item based on information in the first table, retrieve attributes for the item from the second table based on the item's type, determine a portion of a structured query language statement based on parsing the attributes, and prepare the structured query language statement for the item based on the retrieved attributes and the portion in response to the request.

12. The system of claim 11, further comprising a cache that stores a copy of at least a portion of the second table.

13. The system of claim 12, wherein the second table includes a timestamp for each row in the second table.

14. The system of claim 13, wherein the processor is configured to selectively retrieve information from the cache or the second table based on the timestamp.

15. The system of claim 11, wherein the set of program code comprises a set of embedded structured query language statements for preparing the structured query language statement for the item.

16. The system of claim 15, further comprising a set of files that include a plurality of cursors for the embedded structured query language statements.

17. The system of claim 16, wherein the set of files comprise a first package of cursors that are opened by the embedded structured query language statements.

18. The system of claim 17, wherein the set of files further comprises a second package of cursors that are opened by the embedded structured query language statements when all of the cursors in the first package have been opened.

19. The system of claim 11, wherein the attributes stored in the second table includes information indicating access rights for each type of item.

20. The system of claim 11, wherein the attributes stored in the second table include a structure query language statement that inserts a new item into the first table.